

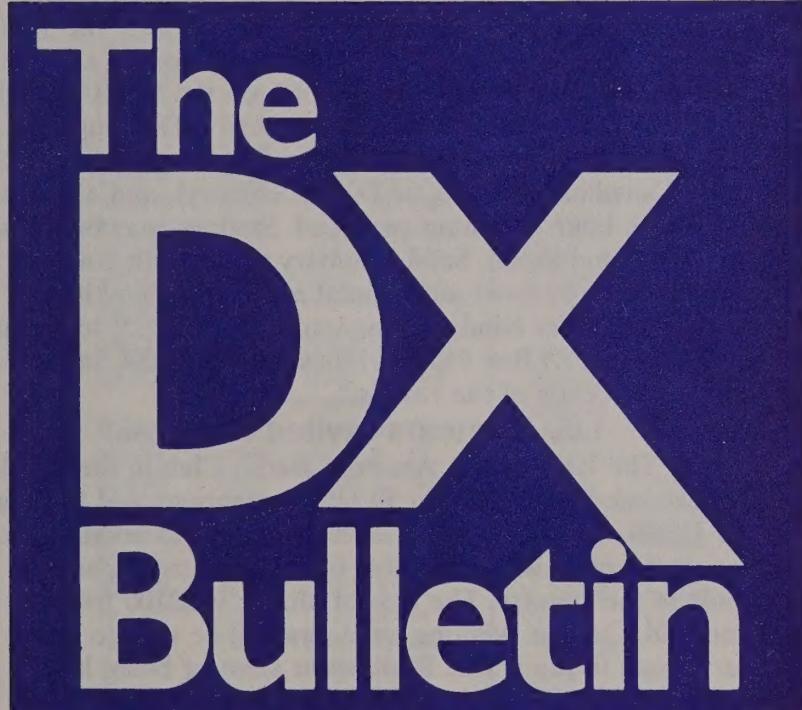
DXpedition News

Pacific Mauri Lehtosaari OH4ML joins the hoards of Scandinavian DXers heading for the Pacific this Fall. He starts as **3D2ML** from Fiji Oct. 1-4, and moves to the Solomon Islands Oct. 5-18, as **OH4ML/H44**. Then back to Fiji Oct. 18-23, and on to Western Samoa 5W Oct. 24-Nov. 7, including CQWW SSB. Then Tonga **A35ML**, Nov. 7-22. Back to Fiji for CQWW CW, and then South Cooks **ZK1** Nov. 28-Dec. 4. QSL home call.

Armenia - UG Members of the Prometheus Amateur

Radio Club of the USSR will return to Kirovakan Sept. 14-28. Callsigns will be **RB5IJ/UG9G**, **UB4IYU/UG1G**, and **UB4IRZ/UG8G**. All bands and modes. **RB5IJ/UG9G** will be active in the CQWW RTTY contest Sept. 23-24. When the group first went to Kirovakan Aug. 22-28, they equipped the club station **UG7GWH** with donated gear. They will return Nov. 9-20. QSL to Box 1, Enakiewo, 343820 USSR.

Edited by Chod Harris **VP2ML**



Azerbaijan - UD Three members of the Stavropol Centre DX Club UW6HWI will be active from Oblasts 001-003 this month. Alan UA6HPR, Yuri UA6HPV, and YL Rosa UV6HPV will append **/UD5N** from Oblast 002 to Sept. 10; **/UD5D** from Oblast 001 Sept. 11-17; and **/UD5K** from Oblast 003 Sept. 18-24. QSL with SASE to P.O.Box 999, Stavropol, 355044 USSR. A special badge is available for US\$1 or 3 IRCs for working them on two bands. (They were on **/UG5G** Oblast 004 in late August and in 1987 and 1988; same QSL address and badge information.)

Morocco - CN **CN2BB** Sept. 9-15 is H. Ernst DF4VS, who is also FD1NRG. QSL to 10 Rue de Haute, F-57350, Stiring Wendel, France.

Somalia - T5 I2JSB is back on as **T5DX** on all bands, including WARC bands. QSL I2JSB.

September 8, 1989

Issue 503

Reserve Your Island - CQWW RTTY

- Look for **HCS/W2JGR** Sept. 17-22, and then **HDSZ** in the Sept. 23-24 RTTY test. QSL both of Jules' operations to his home call.
- Betsy WV7Y, Jay WS7I, and Hal WA7EGA will be on from the Galapagos HC8 for the test, with CW and SSB operation before and after. QSL to WV7Y with SASE. Contributions appreciated.
- And **HZ1AB** will be on with a kilowatt in a 'semi-serious' effort in the test. QSL to K8PYD.

Reserve Your Island - CQWW SSB

- To avoid conflict with the Southern California DX Club **3D2KH** operation (see Issue 501), OH2BGD and OH2VB will operate from Tonga as **A35VB** in CQWW SSB.
- Michael (Doc) Treister will be active as **J88/W9NSZ** from St. Vincent (NA-109) Oct. 27-30, 160-10 meters. Watch 28550, 21270, and 14240 kHz. Whole calls, please, and he will work tail-enders. QSL home call, direct or via bureau.
- Members of the French DX Foundation (FDXF) will operate **5CJA** from Morocco for both CQWW SSB and CW, presumably as a multi-multi entry. QSL FDXF, Box 88, F-35170, Bruz, France.
- WB5YJN and Jim NN5O will be on as **EI2VNO** from County Kelly in Ireland for the SSB test; QSL NN5O.

Shortly Noted

- Members of the French DX Foundation will be on as **GJ0LYP** in the WAEDC SSB contest Sept. 9-10.
- **TH9A** will be on Oct. 7-15, celebrating International Children's Week, operated by F1HWB.
- **OG3AA** Sept. 11-24 celebrates the 350th anniversary of Hameenlinna, Finland. All bands and modes. QSL OH bureau.
- Canadian amateurs may substitute CI for VE to Oct. 15. VO1 and VO2 may use VO8 and VO9. QSL regular callsign.
- **CR9M** from Portugal celebrates the 500th anniversary of discoveries by Portuguese explorers. QSL CT1CWT.
- Yuri UQ1GXX will be on as **YL2RG** again Oct. 7-16, from the city of Riga. QSL Box 100, Riga-7, Latvia 226007.
- G4ZVJ starts a six-month tour as **ZD8VJ** Sept. 15, on CW 160-10 meters. QSL home call.
- Desmond Peters **ZD7DP** is a new ham who is active on 15-meter SSB 2030-2400Z, and 28460 kHz at 1500Z.
- Regulars (callsign, frequency or band, UTC): **9M8PV** 3795 1300Z; **VS6MV** 3799 1230Z; **YE0AX** 3795 1230Z; **CE0OGZ** 7003 0530-1030Z; **CN2AQ** 7007 0400Z; **PZ1AV** 7004 0230Z; **3B8FQ** 14008 1300Z; **A41JV** 14019 1300Z; **BZ1DX** 14030 1200Z; **EL7X** 14010 2300Z; **OY1CT** 14002-07 00-0300Z; **VS6BG** 14008 1400Z; **VU2ITC** 20M CW 1130Z; **YN/SM0IG** 20M CW 1200Z; **CN8FZ** 20M SSB 0345Z; **VK9LH** 14190 1200Z; **6W6JX** 21030 2300Z; **5Z4BI** 15M SSB 1900Z; **S92LB** 21272 2100Z; **TZ6VV** 21268 23-0100Z; **EL2WK** 10M SSB 1745Z; **ZD7VC** 10M SSB 1320Z; **ZD8BOB** 28550 2100Z.
- SSB net check-ins: 7159 kHz: **7P8EG**; 14160: **6W2EX**; 14222: **VP2EXX**; 14226: **XX9KA** 3B9FR 3DA0AH 3D2AG **BZ1DX**; 14256: **FT4ZE** D44BS **EL2WK** 9K2CS 6W1PZ **ZD8XX**; 21335: **5V7DP** 4S7NMR **PZ1DV** 5T5CK 3B9FR **OE5GML/YK**.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before	55 Days Before						
September 1989	Date	Flux A	K	Date	Flux A	K			
08	High Normal	8/12	286	11/14	1	7/15	181	07/10	1
09	High Normal	8/13	255	11/14	2	7/16	179	02/06	1
10	Disturbed	8/14	266	32/49	3	7/17	179	16/15	2
11	Disturbed	8/15	278	63/65	4	7/18	185	16/20	3
12	Below Normal	8/16	254	25/31	3	7/19	189	04/08	1
13	Low Normal	8/17	258	25/30	4	7/20	188	05/07	2
14	Low Normal	8/18	261	24/29	3	7/21	190	08/09	2
15	High Normal	8/19	244	15/20	3	7/22	195	08/10	2
16	Low Normal	8/20	231	19/26	1	7/23	190	12/11	2
17	Low Normal	8/21	222	12/22	3	7/24	186	13/12	3
18	High Normal	8/22	202	18/19	2	7/25	176	05/09	1

Propagation Watch

Solar activity quickly rebounded from its 1989 low flux level of 156 on Aug. 27, recovering to the 240 range over the holiday weekend. The increase in solar flux, coupled with a reasonably quiet geomagnetic field, made for good propagation.

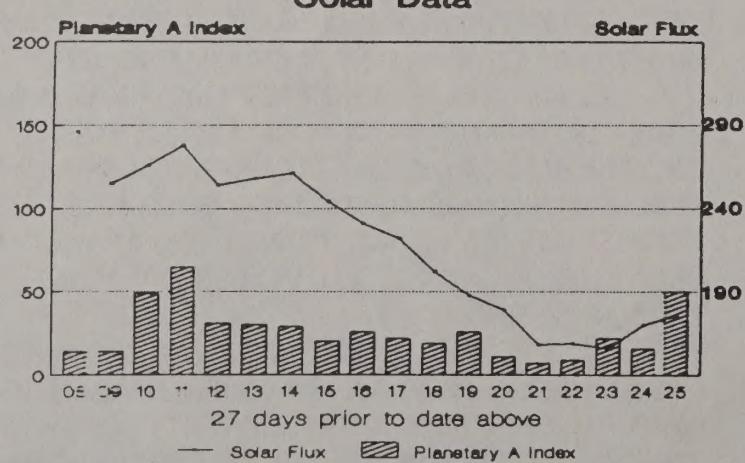
The increase in solar activity was due primarily to an extremely large, magnetically complex sunspot region, # 5669. This region was actually of a combination of 5669 and 5671, and stretched over 15% of the visible side of the sun. Fortunately for DXers, this region did not produce a large number of solar flares, only a few mid-level M-class flares that didn't bother the bands.

Region 5629, that produced the solar activity peak in August and that enormous flare on Aug. 16, apparently faded away while on the back side of the sun; it failed to reappear on Aug. 29.

As far as the propagation forecast goes, this means that we probably won't have disturbed conditions in mid-September. Solar flux will probably drop as Region 5669 rotates to the back of the sun Sept. 10. Since Region 5629 didn't reappear, we don't expect another series of powerful flares to increase geomagnetic activity and cause radio blackouts.

In the absence of any large, complex sunspot region, we should see good band conditions over the next two weeks, with seasonally increasing maximum useable frequencies, quieter low bands, and better long-path openings. Pay particular attention to the low bands after 2-3 days of low A indices (single digits) and K indices (below 2). And watch for long-path openings on 10 meters a few hours after local sunset; you may be very pleasantly surprised!

Solar Data



DX Gatherings

- The 41st International DX Convention will be April 6-8, 1990, at the Visalia, California, Holiday Inn. Note that convention will be two weeks earlier than usual. Host club is the Southern California DX Club. DXers can make room reservations by calling Shirley at 800-821-1127 during business hours, Pacific time. Mention the DX convention for reduced room rates. Don't put off making reservations; the hotel is already more than half full. For more information on the convention, contact Don Minkoff NK6A, 12567 Brooklake St., Mar Vista CA 90066, telephone 213-397-2984.
- The National Convention of the Radio Society of Great Britain (RSGB) will be held Sunday, Oct. 1, at the Belfry Hotel, Milton Common, Oxford. Doors open at 9:30 am; admission £3.50. The provisional program includes John Devoldere ON4UN on HF yagis, Chiltern DX club, DX slide shows, and more. There is an informal DX get-together Saturday evening. Hotel reservation telephone is 0844-279381. For more information, contact Don Field G3XTT at 0734-724192.

WARC-Fest '89

The Texas DX Society, who staged the Armadillo Runs, is sponsoring WARC-Fest '89, to celebrate the 10th anniversary of the new WARC band allocations. The event runs 1800-2400Z on Sunday, Sept. 10, on the WARC bands: 10.1-10.15, 18.068-18.168, and 24.89-24.99 MHz. Single op only, either CW or mixed. Exchange first name, QTH (US state, Canadian province, or DXCC country), and antenna used. One hour minimum per band. Stations may be worked once per band-mode. Send summary sheets with contacts broken down by band-mode, total number of "multipliers" worked, time per band, and signature, by Oct. 15, to Texas DX Society, P.O.Box 540291, Houston TX 77254. Include an SASE for a copy of the results.

US Amateurs Invited to Russia

"The Khabarovsk Amateur Radio Club in the USSR has extended invitations to 50 US amateurs to visit them in the USSR from September 22-29. The first 15 amateurs to accept the offer will have most of their expenses paid for while in the country. The cost of airfare is \$2100 from Portland, Oregon. Visiting amateurs will be able to participate in the USSR Radiosport Contest being held September 22-26. Khabarovsk is approximately 400 miles northeast of Vladivostok, in the southwestern portion of the USSR.

"To make your reservation and for more information, contact John White K7RUN in Portland at 503-287-6127 evenings or weekends or at 503-294-4200 during weekdays." [Thanks ARRL Letter.]

DXpedition Foundation Gets Tax-Exempt Status

The newly-formed DXpedition Foundation has qualified under US tax rules as a non-profit, educational organization, under IRS 501(c)3. This means that donations to the Foundation are tax-deductible to the extent permitted by law to US taxpayers. The DXpedition Foundation will foster DXpeditions and fund educational programs in the US and overseas in technical and operating issues. Directors of the Foundation are Bob Sullivan WØYVA, Fred Laun K3ZO, and chairman Jim Talens N3JT. To make a contribution, or for more information on the Foundation, contact N3JT.

B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.

All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY	5Z4FM * 14019 1453 19 OR 9M2EG 14020 1435 22 WA 9V0JY 14006 1115 22 NB A41JV * 14019 1301 25 FL AH2BY 14033 1251 20 GA AT0T * 14002 1126 26 TN BV2A 14010 1220 22 CA BV4QA 14010 1218 22 PA BZ1DX 14035 1155 23 GA BZ4RCC 14035 1205 25 CA BZ4ROM 14017 1217 23 PA EK0QN 14007 1412 25 BC EL7X 14008 2303 20 IL FK8FA 14035 1053 2 FL FP5DX 14006 0111 23 IL FR5ES 14043 1320 26 FL FY5AN 14025 2119 28 FL HC8MA 14021 0240 25 SC HZ1HZ 14020 0035 27 IA J52US 14025 2326 27 FL JT1BE 14049 1439 22 WA JT1BR 14043 1520 26 CA JY5IN 14026 1640 28 NB KH8AG 14040 1331 24 MA OY1CT 14007 0001 23 MA PZ1DY 14008 1101 25 MI RH8AX 14026 0237 27 FL RW8V/ 14025 1621 27 OR UZ9MZZ	XX9SW * 14200 1026 26 NC Z21DB 14175 0513 27 IL Z22JE 14157 1500 27 CA	17 Meter CW	EK3LT 21220 1442 26 NS FR4FD 21339 1850 24 WI HS0E 21311 1701 19 MD HZ1AB 21310 2120 23 MI J52US 21316 1900 27 CA KG4HA 21321 2226 27 DE KH3/ 21318 0152 19 MD
160 Meters		17 Meter SSB		WB8ZYC
J52US 1827 2022 28 MA VK2RS 1831 1230 25 MT	4Z4TT 18118 2335 25 TX 5B4JE 18143 2005 23 NS 9K2EC 18137 2323 13 MA 9Y4DG 18126 2035 28 TX CE2HC 18111 2324 26 TX CE0DFL 18150 0347 25 TX D44BS 14149 2301 20 NS GM4TNV 18136 2344 25 TX HB0LL 18142 2038 23 NS LU7VB 18124 2344 27 TX PJ9EE 18145 2211 13 NS PP2ZDD 18151 0158 25 TX PZ1JR 18147 0001 26 TX TI2CLV 18144 0259 26 TX TZ6VV 18157 2305 28 TX V31BB 18132 1955 23 NS VP2EHF 18152 2308 24 TX YS1GMV 18150 2356 25 TX	17 Meter SSB	PY0FF 21295 2020 27 IA R4RWY 21243 1440 23 NS S79MC 21220 1855 27 MI S92LB 21272 2110 23 MI TF3CW 21295 0015 25 AL TJ1PD 21364 2159 27 MN TL8SC 21305 1941 28 NS TZ6SG 21247 1736 21 NH TZ6VV 21267 2318 18 MI V85AM 21255 0653 20 BC VK9ND 21370 0233 24 MI XT2PS 21265 2336 27 TN XX9SW 21313 0236 26 WI XX9SW 21300 1418 27 MA Z21AV 21264 1947 28 MA Z21HD 21238 1855 27 MI ZD7VC 21292 1850 23 MD ZD8XX 21285 2040 22 IA	
80 Meters		12 Meters		
RT5UO 3520 0115 19 SC VP2EXX 3506 0145 27 MI	5B4JE 24900 2012 23 NS EL7X 24893 1612 27 WV HB0LL 24960 2032 23 NS ZC4AB 24955 1405 27 NS	12 Meters		
75 Meters		10 Meter CW		
7X4AN 3797 0019 21 MD 9M8PV 3799 1305 29 OR BZ4RCC 3795 1250 29 OR FP5DX 3798 0347 27 MD KX6DC 3793 1305 22 WA T77T 3792 0320 22 MD UA0FF 3795 1222 29 OR VS6WV 3799 1225 30 OR YC0MCA 3795 1240 28 WA YC9GY 3799 1236 31 OR YE0AX 3795 1237 28 WA	6W6JX 21030 2306 24 MA 9Q5DX 21013 0430 26 MA EA9DQ 21021 1950 21 SC EA9KD 21040 1631 23 PA EA9KG 21024 2340 23 FL EL7X 21029 1708 19 MA FR4FD 21003 1930 26 MN HI3JH 21024 2204 25 MT HS0AIT 21009 1855 26 CA HZ1HZ 21032 1533 26 MN HZ1HZ 21015 2111 26 AL J52US 21025 2148 2 FL J52US 21030 1432 23 NH KH3/KN0E 21012 0346 26 IL OY1CT 21023 2215 25 IL RL8PYL 21009 1423 27 FL RT0U 21024 1258 25 TX RV0YF 21010 0228 2 FL	10 Meter CW		
40 Meters		12 Meters		
8R1J 7008 0154 2 FL CE0OGZ 7001 0530 29 WA Juan Fernandez	14004 0413 30 CA TA2AO 14011 0511 20 MT TA4A 14008 0038 31 FL UD6DKW 14025 0133 27 FL UG3G/ 14014 0230 25 FL RB5IJ UG6GAW 14020 0205 24 NB UG6GAW * 14005 1330 22 WA UI9UWA 14027 0238 27 FL UJ8AH * 14007 1158 26 TN UO5OIV * 14034 1429 25 OR VB4GB 14020 0023 31 FL VS6BG 14011 1350 26 IL VS6UW 14008 1134 27 PA VU2PCD 14007 1155 24 PA VU2TTC 14015 1126 21 FL YN/ 14012 1200 23 GA SM0OIG ZS8MI 14050 1220 22 CA	12 Meters		
30 Meters		10 Meter SSB		
5B4OG 10105 0233 2 FL FG4XC 10105 0230 2 FL KL7CYL 10109 1146 27 FL PA0VRG 10112 0021 27 FL TK/ 10106 0223 2 FL HB9ASZ UA6JD 10105 0129 27 FL UB5ECD 10102 0016 27 FL UP1BYL 10107 0023 27 FL	20 Meter SSB 3B8FR * 14209 1142 26 NC 9K2CS 14238 0235 27 OH 9M6MA 14158 1423 27 OR 9N1MM 14195 2352 23 MA BZ4RDX * 14191 1155 26 NC BZ4ROM 14228 1245 23 MD BZ4SAA 14207 1212 18 MI BZ4SSB 14153 1130 22 ME CN8FZ 14168 0341 25 WI EL2WK 14224 0530 22 BC FO0FB 14183 0418 28 OR KH3/KN0E 14206 1204 20 MA KX6GL 14160 1012 22 MI P29ROM 14239 1250 23 MD S79SC * 14182 1055 26 NC TA1E/2 14269 2134 20 GA TF3CW 14198 0203 23 CA UD6DJ 14186 0015 20 DE UR6KY 14244 0156 24 TN V63JC 14187 1105 26 NC V63JC 14186 1200 20 MA V85AM 14200 1047 20 MI V85NR 14165 1128 26 NS VK9LH 14195 1219 25 ME XX9SW 14200 1103 26 NS	10 Meter SSB		
20 Meter CW		15 Meter SSB		
3B8CF 14030 1358 24 FL 3B8DA * 14023 1251 25 WI 3B8FE * 14038 1158 25 MI 3B8FQ 14008 1311 25 WI 3D2AG 14009 1032 25 VA 4S7SX 14010 1142 28 PA 5H3TW 14026 0113 23 TN 5N0SKO 14023 2119 20 FL 5N0SKO 14037 0333 24 MA	3D40BJ 21330 1657 22 NH 5Z4BI 21247 1911 28 MA 5Z4FO 21216 1916 25 MD 7P9BD 21253 2108 26 AL 8Q7AC 21345 1943 28 MA 9M2LF 21300 1427 26 MD 9M2RS 21303 1607 19 MD 9Q5XX 21249 1826 23 MD BY4WNG 21267 1253 21 MD BZ1FB 21275 0357 26 AL CE0MTY 21295 0236 28 TN CT3EU 21227 1251 27 IL D44BS 21252 0059 28 DE EA8TH 21211 2051 21 NH EF5PAT 21200 1052 25 NS	15 Meter SSB		
Novice Band				
	CN8ST 21116 1837 27 FL Z21HD 21102 2026 2 FL			

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Calendar

Issue 503 - September 8, 1989

(Changes and hot info in **boldface**.)

Ascension Is. - ZD8 ZD8BOB 28550 kHz 2100Z
Antarctica - KC KC4USV 14210 1000Z
Armenia - UG Sept. 14-28 /UG-G
Azerbaijan - UD Oblasts 001-003 to Sept. 24
Bouvet - 3Y In December?
China - BY BZ1DX BZ1DX 14030 kHz 1200Z I503
Easter Island - CE0 CE0FFD 28009 1900Z
Eastern Carolines by JAs Sept. 12-19
East Malaysia - 9M 9M8PV 3795 kHz 1300Z
Faroes - OY OY1CT 14002-07 kHz 00-0300Z
Fiji - 3D 3D2KH CQWW SSB
3D2ML Oct. 1-4, 18-23, Nov. 23-27 I503
ZF2LJ Sept. 10-22 I500
VS6BG 14008 kHz 1400Z I503
VS6MV 3799 1230Z I503
VU2TTC 20M CW 1130Z I503
YE0AX 3795 1230Z I503
multi-multi CQWW CW I497
KN0E/KH3 14029 12-1400Z I501
21028 0200Z I501
Juan Fernandez - CE0 CE0OGZ 7003 kHz 0530-1030Z I503
Kenya - 5Z 5Z4BI 15M SSB 1900Z I503
Lesotho - 7P 7P8DP 21290 17-2000Z I502
Liberia - EL EL7X 14010 2300Z I503
EL2WK 10M SSB 1745Z I503
HB0/YT3RU Sept. 1-11 I500
VK9LH 14190 kHz 1200Z I503
5R8JD 21335 1600Z net I502
TZ6VV 21268 kHz 23-0100Z I503
9H3EH Sept. 21-Oct. 19 I500
Mariana Islands - KH0AH0F Sept. 12-17 I502
Marion Island - ZS8 ZS8MI 14050 10-1300Z Fri.
or 14180, 193, 212 13-1500Z I500
3B8CF 14029 1400Z I501
3B8FQ 14008 kHz 1300Z I503
CN2BB Sept. 9-15 I503
5C0A CQWW SSB and CW I503
CN2AQ 7007 kHz 0400Z I503
CN8FZ 20M SSB 0345Z I503
YN/SM0OIG 14004 12, 0100Z I503
014 RF8Q UW3DM September I498
UA3EAC/RF5Q September I498
UA9OA/RW0X Sept. 1-15 I501
RW3PW/UH8Y Sept. 23-24 I501
A41JV 14019 kHz 1300Z I503

I503	St. Helena - ZD7	ZD7VC 10M SSB 1320Z	I503
I502	St. Kitts - V4	CQWW SSB M/S operations	I496
I503	St. Maarten - PJ	PJ1F by KC1F CQWW SSB	I501
I503	St. Vincent - J8	J88/W9NSZ Oct. 27-30	I503
I497	Sao Tome - S9	S92LB 21272 kHz 2100Z	I503
	Senegal - 6W	by VE3JPC RTTY this Fall	I501
		6W6JX 21030 2300Z	I503
		9V1YC 14012 1100Z	I502
I501	Singapore - 9V	OH4ML/H44 Oct. 5-18	I503
I503	Solomon Islands - H44	T50DX by I2JSB now	I503
	Somalia - T5	by OH4ML Nov. 28-Dec. 4	I503
	South Cooks - ZK1	VP8BUB 40M SSB 2200Z Tu/Th	I499
	South Georgia - VP8	HL5BDS 28020 14-1700Z	I493
	South Shetlands	4S7VK 14175 1130Z	I500
		PZ1AV 7004 0230Z	I503
		BV2A 14015 10-1500Z	I502
		5H3TW 14026 0100Z	I502
		Nov. 3-13 by OH1RY et al	I501
		A35ML Nov. 7-22	I503
		A35VB CQWW SSB by OHs	I503
		TA4/G3SDL on 6 meters	I502
		Turks and Caicos - VP5	I501
		VP5T CQWW SSB by NM2Y	I501
		ZS1IS 28610 1600Z Sundays	I500
		ZS1IS Aug. 27-Sept. 10	I498
		Western Carolines KC	I501
		by JAs Sept. 12-19	I501
		Western Samoa - 5W	I503
		by OH4ML Oct. 24-Nov. 7	I503
		RV0YF 21010 23-0200Z	I499
	Date	DX Activities and Contests	
	Sept. 9-10	Event or Activity	<u>Info</u>
	Sept. 23-24	Worked All Europe SSB	<u>CQ</u>
		CQWW RTTY Contest	<u>CQ</u>
		Contributors	

This Issue of **The DX Bulletin** would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AB4PY, AB8K, AE1H, K0PP, K1HDO, K1JKS, K1NIT, K2OLG, K2PEQ, K4BAI, K4II, K6IR, K7SBQ, K8CV, K8OQL, K8RWL, K8TDJ, K9LJN, KA1XN, KA4YAE, KD7SO, KE7X, KG4O, KI8W, KJ4BK, KJ4GK, KJ8M, KM9J, KQ3S, N6IBP, NW4Y, NX7K, NY4A, VE1ACK, VE1YX, VE7COP, W1CYB, W1FJ, W1HH, W3FM, W3FME, W4CVX, W4VQ, W5HNS, W6JOX, W6UQF, W6ZH, W9DH, WA1NPZ, WA6CTA, WB5MTV, WB8ZRL, WF4G, WI9Z, WJ7R, K8NEU, NK6A, ARRL Letter, N3JT, OH4ML, RB5IJ, UA6HPR, W2JGR, K8PYD, KN7K, W9NSZ, F6EEM, DXNS, and NCDXC. (Thanks -ed.)